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### Interprocedural side-effect analysis in linear time

KD Cooper, K Kennedy - Proceedings of the ACM SIGPLAN 1988 conference on ..., 1988 - portal.acm.org

... path ... This paper presents linear-time algorithms for each of the two subproblems. ...

reference formal parameters, the swift algorithm solved a forward problem over ...

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### Efficient flow-sensitive interprocedural computation of pointer-induced aliases and side effects - [toronto.edu](#) [PDF]

JD Choi, M Burke, P Carini - Proceedings of the 20th ACM SIGPLAN-SIGACT symposium on ..., 1993 - portal.acm.org

... agated forward from the call site to the entry point of ... We assume that each node

is on a path from Entry to ... The data flow framework for computing aliases in ...

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### [PDF] Parallelizing Compiler Techniques Based ON Linear Inequalities

SP Amarasinghe - 1997 - compiler.cs.mit.edu

... Linear Inequality Representation for Data and Processor Spaces ... Merge algorithm in

the presence of auxiliary variables ... 4-3. Bottom-up, forward-flow traversal ...

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### Interprocedural Analysis for Parallelization

MW Hall, BR Murphy, SP Amarasinghe, SW Liao, MS ... - LECTURE NOTES IN COMPUTER SCIENCE, 1996 - Springer

... In a forward data-flow prob- lem, for each ... access by a system of integer linear

inequalities. ... To maintain efficiency, we merge systems of inequalities whenever ...

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### Fast interprocedural alias analysis

KD Cooper, K Kennedy - Proceedings of the 16th ACM SIGPLAN-SIGACT symposium on ..., 1989 - portal.acm.org

... each formal, then propagates these sets forward along the binding graph, taking

unions when two paths merge. ... same location along the same path through the ...

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### An efficient hybrid algorithm for incremental data flow analysis

TJ Marlowe, BG Ryder - Proceedings of the 17th ACM SIGPLAN-SIGACT symposium on ..., 1990 - portal.acm.org

... propagation) is also linear in the ... region edge (a) splits the component @! other

(2) forward in toporder ... 6. Delete a node (of degree one) 7. Merge basic blocks ...

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### Weighted Pushdown Systems and Their Application to Interprocedural Dataflow Analysis - [wisc.edu](#) [PDF]

T Reps, S Schwoon, S Jha, D Melski - 2006 - Springer

... of weighted PDSs to linear constant propagation ... Conventional dataflow-analysis

algorithms merge together the ... Because the algorithm for solving path problems in ...

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[PDF] [A methodology for procedure cloning](#)

KD Cooper, MW Hall, K Kennedy - Computer Languages, 1993 - cs.rice.edu

... demonstrated dramatic improvements on linear algebra kernels [6 ... second phase, we merge vectors representing ... of a particular forward inter-procedural data-flow ...

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[PS] [Interprocedural Symbolic Analysis](#)

P Haviak - 1994 - historical.ncstrl.org

... 5.4 Pairwise Linear Equalities ... 5.4.3 Merge ::::::: 110 ...

3.1 Control-Flow Statistics of Benchmarks ...

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[Fast interprocedural class analysis](#) - [http://www.cs.tufts.edu/~psf/paper.html](#) [PDF]

G DeFouw, D Grove, C Chambers - Proceedings of the 25th ACM SIGPLAN-SIGACT symposium on ..., 1998 - portal.acm.org

... and propagate sets of classes forward through the ... SuperNode; a special supemode, used for Merge WuiGlobal ConstIndDataflowO ... To block the flow of classes through ...

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